

107 Rec'd PCT/PTO 27 JUL 2006

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371 AND 37 CFR 1.491**

P1923US

U.S. APPLICATION NO.

Unassigned

107587907

INTERNATIONAL APPLICATION NO.  
PCT/FR2004/000219INTERNATIONAL FILING DATE  
30 January 2004 (30.01.04)PRIORITY DATE CLAIMED  
30 January 2004 (30.01.04)

**TITLE OF INVENTION  
DIMENSIONAL VECTOR AND VARIABLE RESOLUTION QUANTIZATION**

**APPLICANT(S) FOR DO/EO/US**

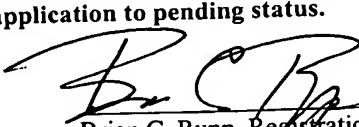
LAMBLIN, Claude ; VIRETTE, David ; KOVESI, Balazs ; MASSALOUX, Dominique

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371 and 37 CFR 1.491.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371 and 37 CFR 1.491.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)).
4.  The US has been elected (PCT Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
11. Nucleotide and/or Amino Acid Sequence Submission
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper Copy
  - c.  Statement verifying identity of above copies

**Items 12 to 19 below concern other document(s) or information included:**

12.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  - Form PTO-1449
  - Copies of Listed Documents
13.  An assignment for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
14.  A **FIRST** preliminary amendment.
  - A **SECOND** or **SUBSEQUENT** preliminary amendment.
15.  A substitute specification.
16.  A change of power of attorney and/or address letter.
17.  Application Data Sheet Under 37 CFR 1.76
18.  Return Receipt Postcard
19.  Other items or information: Abstract; Verification of a Translation

U.S. APPLICATION NO. Unassigned	10/587907 INTERNATIONAL APPLICATION NO. PCT/FR2004/000219	ATTORNEY DOCKET NO. P1923US	
20. The following fees are submitted:		Calculations      PTO Use Only	
<input checked="" type="checkbox"/> a) Basic national fee..... <input checked="" type="checkbox"/> b) Examination fee If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... All other situations .....		\$300.00 \$300.00  \$0.00 \$200.00  \$200.00	
<input checked="" type="checkbox"/> c) Search fee If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... All other situations.....		\$0.00 \$100.00 \$400.00 \$500.00  <b>TOTAL OF ABOVE CALCULATIONS = \$900.00</b>	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.			
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	
-100=	/50=	x \$250.00 \$0.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total Claims	31	-20=	11 x \$50.00 \$550.00
Independent Claims	5	- 3 =	2 x \$200.00 \$400.00
<input type="checkbox"/> Multiple Dependent Claim(s) (if applicable)		+ \$360.00	\$0.00
		<b>TOTAL OF ABOVE CALCULATIONS=</b>	\$1,850.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$	
		<b>SUBTOTAL=</b>	\$1,850.00
Processing fee of \$130.00 for furnishing English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date.		\$	
		<b>TOTAL NATIONAL FEE=</b>	\$1,850.00
Fee for recording the enclosed assignment. The assignment must be accompanied by an appropriate cover sheet. \$40.00 per property		+ \$	
		<b>TOTAL FEE ENCLOSED=</b>	\$1,850.00
		Amount to be: refunded	\$
		charged:	\$
a. <input type="checkbox"/> A check in the amount of \$ to cover the above fee is enclosed. b. <input checked="" type="checkbox"/> Please charge Deposit Account No. 07-0181 in the amount of \$1,850.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-0181. A duplicate copy of this sheet is enclosed.			
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.			
SEND ALL CORRESPONDENCE TO:			
Customer Number: 08968 Gardner Carton & Douglas LLP 191 N. Wacker Drive, Suite 3700 Chicago, Illinois 60606-1698		 Brian C. Rupp, Registration No. 35,665 One of the Attorneys for Applicant(s) Date: July 27, 2006	

**10/587907**

**IAP5 Rec'd PCT/PTO 27 JUL 2006**

U.S. APPLICATION NO. Unassigned	INTERNATIONAL APPLICATION NO. PCT/FR2004/000219	ATTORNEY DOCKET NO. P1923US
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**CERTIFICATION UNDER 37 CFR 1.10**

"Express Mail" Label Number: EV264895611US

Date of Deposit: July 27, 2006

I hereby certify that this express request to begin national examination procedures under 35 U.S.C. 371(f) of the International Patent Application referenced above, including all of the items listed thereon as enclosures, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop PCT, Attention: DO/EO/US, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Irina L. Mikitiouk

Printed Name of Person Signing:



Signature

**EXPRESS MAILING CERTIFICATE  
UNDER 37 CFR § 1.10****10/587907****Date of Deposit: July 27, 2006****"Express Mail" Mailing Number: EV264895611US**

I hereby certify that the attached correspondence, including any documents or materials referred to thereon as enclosures or attachments, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to:

Mail Stop PCT  
 Attn: DO/EO/US  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Title: DIMENSIONAL VECTOR AND VARIABLE RESOLUTION  
 QUANTIZATION

Applicant(s): Lamblin et al.

Application No.: Unassigned (U.S. National Phase of PCT/FR2004/000219)

Filing Date: July 27, 2006

Enclosed:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 USC 371 and 37 CFR 1.491 (3 pgs) and duplicate thereof (3 pgs)
2. Application Data Sheet (4 pgs)
3. English Translation of PCT Patent Application as published comprising: Title Page with Abstract (2 pgs); Specification (66 pgs); Claims (11 pgs); Ten (10) Sheets of Drawings (Figs. 1a-8b; 10 pgs)
4. Preliminary Amendment (15 pgs)
5. Abstract (1 pg)
6. Combined Declaration and Power of Attorney (4 pgs)
7. Verification of a Translation (1 pg)
8. Authorization to charge deposit account in the amount of \$1,850.00
9. Return postcard

Irina L. Mikitiouk  
 Typed or Printed Name



Signature

Attorney Docket No. P1923US  
 Client No. 084526-1923  
 CH02/ 22457368.1

IAP5 Rec'd PCT/PTO 27 JUL 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

10/587907

Application No. :

U.S. National Serial No. :

Filed :

PCT International Application No. : PCT/FR2004/000219

VERIFICATION OF A TRANSLATION

I, Charles Edward SITCH BA,

Deputy Managing Director of RWS Group Ltd UK Translation Division, of Europa House,  
Marsham Way, Gerrards Cross, Buckinghamshire, England declare:

That the translator responsible for the attached translation is knowledgeable in the French  
language in which the below identified international application was filed, and that, to the  
best of RWS Group Ltd knowledge and belief, the English translation of the international  
application No. PCT/FR2004/000219 is a true and complete translation of the above  
identified international application as filed.

I hereby declare that all the statements made herein of my own knowledge are true and that all  
statements made on information and belief are believed to be true; and further that these  
statements were made with the knowledge that willful false statements and the like so made  
are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United  
States Code and that such willful false statements may jeopardize the validity of the patent  
application issued thereon.

Date: May 26, 2006

Signature :



For and on behalf of RWS Group Ltd

Post Office Address :

Europa House, Marsham Way,  
Gerrards Cross, Buckinghamshire,  
England.